AUTHOR INDEX

AIZENMAN Elias *see* TANG Lian-Hong & AIZENMAN Elias The modulation of *N*-methyl-D-aspartate receptors by redox and alkylating reagents in rat cortical neurones *in vitro*. 303

APPENTENG Kwabena *see* CURTIS John C. & APPENTENG Kwabena The electrical geometry, electrical properties and synaptic connections onto rat V motoneurones *in vitro*. 85

ARRAZOLA A., ROTA R., HANNAERT P., SOLER A. & GARAY R.P. Cell volume regulation in rat thymocytes. 403

BARÓ I., O'NEILL S.C. & EISNER D.A. Changes of intracellular [Ca^{2+}] during refilling of sarcoplasmic reticulum in rat ventricular and vascular smooth muscle. 21

BIELEN F.V., GLITSCH H.G. & VERDONCK F. Na^+ pump current–voltage relationships of rabbit cardiac Purkinje cells in Na^+-free solution. 699

BITNER Sandra *see* ISSA Faiq G. & BITNER Sandra Effect of route of breathing on the ventilatory and arousal responses to hypercapnia in awake and sleeping dogs. 615

BLEI Michael L., CONLEY Kevin E. & KUSHMERICK Martin J. Separate measures of ATP utilization and recovery in human skeletal muscle. 203

BONTE B., LINDEN R.W.A., SCOTT B.J.J. & VAN STEENBERGHE D. Role of periodontal mechanoreceptors in evoking reflexes in the jaw-closing muscles of the cat. 581

BRADLEY T. Douglas *see* XIE Ailiang, TAKASAKI Yuji, POPKIN Judith, ORR Douglas & BRADLEY T. Douglas Influence of body position on pressure and airflow generation during hypoxia and hypercapnia in man. 477

BRENNER Bernhard *see* XU Sengen, BRENNER Bernhard & YU Leepo C. Erratum: *Journal of Physiology* **461**, 283–299 (1993). 747

CHAMBERLAIN S. *see* LEWIS D.M. & CHAMBERLAIN S. Differences between contractions *in vitro* of slow and fast rat skeletal muscle persist after random reinnervation. 731

CHERNIACK Neil S. *see* DICK Thomas E., OKU Yoshitaka, ROMANIUK J. Richard & CHERNIACK Neil S. Interaction between central pattern generators for breathing and swallowing in the cat. 715

CLEEMANN Lars *see* LACINOVA Lubica, CLEEMANN Lars & MORAD Martin Ca^{2+} channel modulating effects of heparin in mammalian cardiac myocytes. 181

COLEMAN H.A. *see* PARKINGTON Helena C., TARE M., TONTA M.A. & COLEMAN H.A. Stretch revealed three components in the hyperpolarization of guinea-pig coronary artery in response to acetylcholine. 459

CONLEY Kevin E. *see* BLEI Michael L., CONLEY Kevin E. & KUSHMERICK Martin J. Separate measures of ATP utilization and recovery in human skeletal muscle. 203

CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

CRAGOE E.J. JR *see* SOLER A., ROTA R., HANNAERT P., CRAGOE E.J. JR & GARAY R.P. Volume-dependent K^+ and Cl^- fluxes in rat thymocytes. 387

CREST M. & GOLA M. Large conductance Ca^{2+}-activated K^+ channels are involved in both spike shaping and firing regulation in *Helix* neurones. 265

CRICHTON Catherine A., TAGGART Michael J., WRAY Susan & SMITH Godfrey L. Effects of pH and inorganic phosphate on force production in α-toxin-permeabilized isolated rat uterine smooth muscle. 629

CURTIS John C. & APPENTENG Kwabena The electrical geometry, electrical properties and synaptic connections onto rat V motoneurones *in vitro*. 85

DE AIZPURUA Henry J. *see* LEWIS Deborah L., DE AIZPURUA Henry J. & RAUSCH Dianne M. Enhanced expression of Ca^{2+} channels by nerve growth factor and the v-*src* oncogene in rat phaeochromocytoma cells. 325

DESANTIS A. *see* CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

DETWILER P.B. *see* RISPOLI G., SATHER W.A. & DETWILER P.B. Visual transduction in dialysed detached rod outer segments from lizard retina. 513

DEUTSCH Nicholas & WEISS James N. ATP-sensitive K^+ channel modification by metabolic inhibition in isolated guinea-pig ventricular myocytes. 163

DICK Thomas E., OKU Yoshitaka, ROMANIUK J. Richard & CHERNIACK Neil S. Interaction between central pattern generators for breathing and swallowing in the cat. 715

DIMALINE R., SANDVIK A.K., EVANS Debra, FORSTER E.R. & DOCKRAY G. J. Food stimulation of histidine decarboxylase messenger RNA abundance in rat gastric fundus. 449

DOCKRAY G. J. *see* DIMALINE R., SANDVIK A.K., EVANS Debra, FORSTER E.R. & DOCKRAY G. J. Food stimulation of histidine decarboxylase messenger RNA abundance in rat gastric fundus. 449

DURBABA R. *see* TAYLOR A., DURBABA R. & RODGERS J.F. Projection of cat jaw muscle spindle afferents related to intrafusal fibre influence. 647

EBNER F. *see* WANG G.-X., SCHMIED R., EBNER F. & KORTH M. Intracellular sodium activity and its regulation in guinea-pig atrial myocardium. 73

EISNER D.A. *see* BARÓ I., O'NEILL S.C. & EISNER D.A. Changes of intracellular $[Ca^{2+}]$ during refilling of sarcoplasmic reticulum in rat ventricular and vascular smooth muscle. 21

EISNER D.A. *see* HEATON R.C., WRAY Susan & EISNER D.A. Effects of metabolic inhibition and changes of intracellular pH on potassium permeability and contraction of rat uterus. 43

EMPSON R.M. & JEFFERYS J.G.R. Synaptic inhibition in primary and secondary chronic epileptic foci induced by intrahippocampal tetanus toxin in the rat. 595

EVANS Debra *see* DIMALINE R., SANDVIK A.K., EVANS Debra, FORSTER E.R. & DOCKRAY G. J. Food stimulation of histidine decarboxylase messenger RNA abundance in rat gastric fundus. 449

FORSTER E.R. *see* DIMALINE R., SANDVIK A.K., EVANS Debra, FORSTER E.R. & DOCKRAY G. J. Food stimulation of histidine decarboxylase messenger RNA abundance in rat gastric fundus. 449

GARAY R.P. *see* SOLER A., ROTA R., HANNAERT P., CRAGOE E.J. JR & GARAY R.P. Volume-dependent K^+ and Cl^- fluxes in rat thymocytes. 387

GARAY R.P. *see* ARRAZOLA A., ROTA R., HANNAERT P., SOLER A. & GARAY R.P. Cell volume regulation in rat thymocytes. 403

GLITSCH H.G. *see* BIELEN F.V., GLITSCH H.G. & VERDONCK F. Na^+ pump current–voltage relationships of rabbit cardiac Purkinje cells in Na^+-free solution. 699

GOLA M. *see* CREST M. & GOLA M. Large conductance Ca^{2+}-activated K^+ channels are involved in both spike shaping and firing regulation in *Helix* neurones. 265

GRAFE P. *see* SCHNEIDER U., QUASTHOFF S., MITROVIĆ N. & GRAFE P. Hyperglycaemic hypoxia alters after-potential and fast K^+ conductance of rat axons by cytoplasmic acidification. 679

HANNAERT P. *see* SOLER A., ROTA R., HANNAERT P., CRAGOE E.J. JR & GARAY R.P. Volume-dependent K^+ and Cl^- fluxes in rat thymocytes. 387

HANNAERT P. *see* ARRAZOLA A., ROTA R., HANNAERT P., SOLER A. & GARAY R.P. Cell volume regulation in rat thymocytes. 403

HEATON R.C., WRAY Susan & EISNER D.A. Effects of metabolic inhibition and changes of intracellular pH on potassium permeability and contraction of rat uterus. 43

HILLHOUSE E.W. *see* MILTON N.G.N., HILLHOUSE E.W. & MILTON A.S. A possible role for endogenous peripheral corticotrophin-releasing factor-41 in the febrile response of conscious rabbits. 415

HORI Tetsuro *see* KATAFUCHI Toshihiko, TAKE Sachiko & HORI Tetsuro Roles of sympathetic nervous system in the suppression of cytotoxicity of splenic natural killer cells in the rat. 343

HOTH Markus & PENNER Reinhold Calcium release-activated calcium current in rat mast cells. 359

INENAGA Kiyotoshi, NAGATOMO Toshihisa, KANNAN Hiroshi & YAMASHITA Hiroshi Inward sodium current involvement in regenerative bursting activity of rat magnocellular supraoptic neurones *in vitro*. 289

INOUE Ryuji & KURIYAMA Hirosi Dual regulation of cation-selective channels by muscarinic and α_1-adrenergic receptors in the rabbit portal vein. 427

ISSA Faiq G. & BITNER Sandra Effect of route of breathing on the ventilatory and arousal responses to hypercapnia in awake and sleeping dogs. 615

ITO Shigeo *see* OHTA Toshio, ITO Shigeo & NAKAZATO Yoshikazu Chloride currents activated by caffeine in rat intestinal smooth muscle cells. 149

IZUMI Hiroshi & KARITA Keishiro Innervation of the cat lip by two groups of parasympathetic vasodilator fibres. 501

JANKOWSKA E. & RIDDELL J.S. A relay for input from group II muscle afferents in sacral segments of the cat spinal cord. 561

JANSSEN Luke J. & SIMS Stephen M. Histamine activities Cl^- and K^+ currents in guinea-pig tracheal myocytes: convergence with muscarinic signalling pathway. 661

JEFFERYS J.G.R. *see* EMPSON R.M. & JEFFERYS J.G.R. Synaptic inhibition in primary and secondary chronic epileptic foci induced by intrahippocampal tetanus toxin in the rat. 595

KANNAN Hiroshi *see* INENAGA Kiyotoshi, NAGATOMO Toshihisa, KANNAN Hiroshi & YAMASHITA Hiroshi Inward sodium current involvement in regenerative bursting activity of rat magnocellular supraoptic neurones *in vitro*. 289

KARITA Keishiro *see* IZUMI Hiroshi & KARITA Keishiro Innervation of the cat lip by two groups of parasympathetic vasodilator fibres. 501

KATAFUCHI Toshihiko, TAKE Sachiko & HORI Tetsuro Roles of sympathetic nervous system in the suppression of cytotoxicity of splenic natural killer cells in the rat. 343

KATAYAMA Y. *see* CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

KHODAKHAH K. *see* CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

KORTH M. *see* WANG G.-X., SCHMIED R., EBNER F. & KORTH M. Intracellular sodium activity and its regulation in guinea-pig atrial myocardium. 73

KURIYAMA Hirosi *see* INOUE Ryuji & KURIYAMA Hirosi Dual regulation of cation-selective channels by muscarinic and α_1-adrenergic receptors in the rabbit portal vein. 427

KUSHMERICK Martin J. *see* BLEI Michael L., CONLEY Kevin E. & KUSHMERICK Martin J. Separate measures of ATP utilization and recovery in human skeletal muscle. 203

LACINOVA Lubica, CLEEMANN Lars & MORAD Martin Ca^{2+} channel modulating effects of heparin in mammalian cardiac myocytes. 181

LAUTHIER F. *see* TACNET F., LAUTHIER F. & RIPOCHE P. Mechanisms of zinc transport into pig small intestine brush-border membrane vesicles. 57

LEVICK J.R. *see* MCDONALD J.N. & LEVICK J.R. Effect of extravascular plasma protein on pressure–flow relations across synovium in anaesthetized rabbits. 539

LEWIS Deborah L., DE AIZPURUA Henry J. & RAUSCH Dianne M. Enhanced expression of Ca^{2+} channels by nerve growth factor and the v-*src* oncogene in rat phaeochromocytoma cells. 325

LEWIS D.M. & CHAMBERLAIN S. Differences between contractions *in vitro* of slow and fast rat skeletal muscle persist after random reinnervation. 731

LINDEN R.W.A. *see* BONTE B., LINDEN R.W.A., SCOTT B.J.J. & VAN STEENBERGHE D. Role of periodontal mechanoreceptors in evoking reflexes in the jaw-closing muscles of the cat. 581

LUI Ge Ming *see* WEN Rong, LUI Ge Ming & STEINBERG Roy H. Whole-cell K^+ currents in fresh and cultured cells of the human and monkey retinal pigment epithelium. 121

MCDONALD J.N. & LEVICK J.R. Effect of extravascular plasma protein on pressure–flow relations across synovium in anaesthetized rabbits. 539

MALNIC G. *see* MELLIS M.S., MALNIC G. & MELLO AIRES M. Effect of medium tonicity on transepithelial H^+–HCO_3^- fluxes in rat proximal tubule. 9

MARLEY Philip D., THOMSON Kerrie A. & SMARDENCAS Arthur Non-cholinergic nervous control of catecholamine secretion from perfused bovine adrenal glands. 489

MELLIS M.S., MALNIC G. & MELLO AIRES M. Effect of medium tonicity on transepithelial H^+–HCO_3^- fluxes in rat proximal tubule. 9

MELLO AIRES M. *see* MELLIS M.S., MALNIC G. & MELLO AIRES M. Effect of medium tonicity on transepithelial H^+–HCO_3^- fluxes in rat proximal tubule. 9

MESSENGER J.B. *see* CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

MILTON A.S. *see* MILTON N.G.N., HILLHOUSE E.W. & MILTON A.S. A possible role for endogenous peripheral corticotrophin-releasing factor-41 in the febrile response of conscious rabbits. 415

MILTON N.G.N., HILLHOUSE E.W. & MILTON A.S. A possible role for endogenous peripheral corticotrophin-releasing factor-41 in the febrile response of conscious rabbits. 415

MITROVIĆ N. *see* SCHNEIDER U., QUASTHOFF S., MITROVIĆ N. & GRAFE P. Hyperglycaemic hypoxia alters after-potential and fast K^+ conductance of rat axons by cytoplasmic acidification. 679

MITSUIYE Tamotsu & NOMA Akinori Quantification of exponential Na^+ current activation in *N*-bromoacetamide-treated cardiac myocytes of guinea-pig. 245

MORAD Martin *see* LACINOVA Lubica, CLEEMANN Lars & MORAD Martin Ca^{2+} channel modulating effects of heparin in mammalian cardiac myocytes. 181

NAGATOMO Toshihisa *see* INENAGA Kiyotoshi, NAGATOMO Toshihisa, KANNAN Hiroshi & YAMASHITA Hiroshi Inward sodium current involvement in regenerative bursting activity of rat magnocellular supraoptic neurones *in vitro*. 289

NAKAZATO Yoshikazu *see* OHTA Toshio, ITO Shigeo & NAKAZATO Yoshikazu Chloride currents activated by caffeine in rat intestinal smooth muscle cells. 149

NOMA Akinori *see* MITSUIYE Tamotsu & NOMA Akinori Quantification of exponential Na^+ current activation in *N*-bromoacetamide-treated cardiac myocytes of guinea-pig. 245

OGDEN D.C. *see* CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

OHTA Toshio, ITO Shigeo & NAKAZATO Yoshikazu Chloride currents activated by caffeine in rat intestinal smooth muscle cells. 149

OKU Yoshitaka *see* DICK Thomas E., OKU Yoshitaka, ROMANIUK J. Richard & CHERNIACK Neil S. Interaction between central pattern generators for breathing and swallowing in the cat. 715

O'NEILL S.C. *see* BARÓ I., O'NEILL S.C. & EISNER D.A. Changes of intracellular [Ca^{2+}] during refilling of sarcoplasmic reticulum in rat ventricular and vascular smooth muscle. 21

ORR Douglas *see* XIE Ailiang, TAKASAKI Yuji, POPKIN Judith, ORR Douglas & BRADLEY T. Douglas Influence of body position on pressure and airflow generation during hypoxia and hypercapnia in man. 477

PARKINGTON Helena C., TARE M., TONTA M.A. & COLEMAN H.A. Stretch revealed three components in the hyperpolarization of guinea-pig coronary artery in response to acetylcholine. 459

PENNER Reinhold *see* HOTH Markus & PENNER Reinhold Calcium release-activated calcium current in rat mast cells. 359

PEROUANSKY Michael & YAARI Yoel Kinetic properties of NMDA receptor-mediated synaptic currents in rat hippocampal pyramidal cells *versus* interneurones. 223

POPKIN Judith *see* XIE Ailiang, TAKASAKI Yuji, POPKIN Judith, ORR Douglas & BRADLEY T. Douglas Influence of body position on pressure and airflow generation during hypoxia and hypercapnia in man. 477

QUASTHOFF S. *see* SCHNEIDER U., QUASTHOFF S., MITROVIĆ N. & GRAFE P. Hyperglycaemic hypoxia alters after-potential and fast K^+ conductance of rat axons by cytoplasmic acidification. 679

RAUSCH Dianne M. *see* LEWIS Deborah L., DE AIZPURUA Henry J. & RAUSCH Dianne M. Enhanced expression of Ca^{2+} channels by nerve growth factor and the v-*src* oncogene in rat phaeochromocytoma cells. 325

RIDDELL J.S. *see* JANKOWSKA E. & RIDDELL J.S. A relay for input from group II muscle afferents in sacral segments of the cat spinal cord. 561

RIPOCHE P. *see* TACNET F., LAUTHIER F. & RIPOCHE P. Mechanisms of zinc transport into pig small intestine brush-border membrane vesicles. 57

RISPOLI G., SATHER W.A. & DETWILER P.B. Visual transduction in dialysed detached rod outer segments from lizard retina. 513

RODGERS J.F. *see* TAYLOR A., DURBABA R. & RODGERS J.F. Projection of cat jaw muscle spindle afferents related to intrafusal fibre influence. 647

ROMANIUK J. Richard *see* DICK Thomas E., OKU Yoshitaka, ROMANIUK J. Richard & CHERNIACK Neil S. Interaction between central pattern generators for breathing and swallowing in the cat. 715

ROTA R. *see* SOLER A., ROTA R., HANNAERT P., CRAGOE E.J. JR & GARAY R.P. Volume-dependent K^+ and Cl^- fluxes in rat thymocytes. 387

ROTA R. *see* ARRAZOLA A., ROTA R., HANNAERT P., SOLER A. & GARAY R.P. Cell volume regulation in rat thymocytes. 403

SANDVIK A.K. *see* DIMALINE R., SANDVIK A.K., EVANS Debra, FORSTER E.R. & DOCKRAY G. J. Food stimulation of histidine decarboxylase messenger RNA abundance in rat gastric fundus. 449

SATHER W.A. *see* RISPOLI G., SATHER W.A. & DETWILER P.B. Visual transduction in dialysed detached rod outer segments from lizard retina. 513

SCHMIED R. *see* WANG G.-X., SCHMIED R., EBNER F. & KORTH M. Intracellular sodium activity and its regulation in guinea-pig atrial myocardium. 73

SCHNEIDER U., QUASTHOFF S., MITROVIĆ N. & GRAFE P. Hyperglycaemic hypoxia alters after-potential and fast K^+ conductance of rat axons by cytoplasmic acidification. 679

SCOTT B.J.J. *see* BONTE B., LINDEN R.W.A., SCOTT B.J.J. & VAN STEENBERGHE D. Role of periodontal mechanoreceptors in evoking reflexes in the jaw-closing muscles of the cat. 581

SIMS Stephen M. *see* JANSSEN Luke J. & SIMS Stephen M. Histamine activities Cl^- and K^+ currents in guinea-pig tracheal myocytes: convergence with muscarinic signalling pathway. 661

SMARDENCAS Arthur *see* MARLEY Philip D., THOMSON Kerrie A. & SMARDENCAS Arthur Non-cholinergic nervous control of catecholamine secretion from perfused bovine adrenal glands. 489

SMITH Godfrey L. *see* CRICHTON Catherine A., TAGGART Michael J., WRAY Susan & SMITH Godfrey L. Effects of pH and inorganic phosphate on force production in α-toxin-permeabilized isolated rat uterine smooth muscle. 629

SOLER A., ROTA R., HANNAERT P., CRAGOE E.J. JR & GARAY R.P. Volume-dependent K^+ and Cl^- fluxes in rat thymocytes. 387

SOLER A. *see* ARRAZOLA A., ROTA R., HANNAERT P., SOLER A. & GARAY R.P. Cell volume regulation in rat thymocytes. 403

STEINBERG Roy H. *see* WEN Rong, LUI Ge Ming & STEINBERG Roy H. Whole-cell K^+ currents in fresh and cultured cells of the human and monkey retinal pigment epithelium. 121

TACNET F., LAUTHIER F. & RIPOCHE P. Mechanisms of zinc transport into pig small intestine brush-border membrane vesicles. 57

TAGGART Michael J. *see* CRICHTON Catherine A., TAGGART Michael J., WRAY Susan & SMITH Godfrey L. Effects of pH and inorganic phosphate on force production in α-toxin-permeabilized isolated rat uterine smooth muscle. 629

TAKASAKI Yuji *see* XIE Ailiang, TAKASAKI Yuji, POPKIN Judith, ORR Douglas & BRADLEY T. Douglas Influence of body position on pressure and airflow generation during hypoxia and hypercapnia in man. 477

TAKE Sachiko *see* KATAFUCHI Toshihiko, TAKE Sachiko & HORI Tetsuro Roles of sympathetic nervous system in the suppression of cytotoxicity of splenic natural killer cells in the rat. 343

TANG Lian-Hong & AIZENMAN Elias The modulation of *N*-methyl-D-aspartate receptors by redox and alkylating reagents in rat cortical neurones *in vitro*. 303

TARE M. *see* PARKINGTON Helena C., TARE M., TONTA M.A. & COLEMAN H.A. Stretch revealed three components in the hyperpolarization of guinea-pig coronary artery in response to acetylcholine. 459

TAYLOR A., DURBABA R. & RODGERS J.F. Projection of cat jaw muscle spindle afferents related to intrafusal fibre influence. 647

THOMSON Kerrie A. *see* MARLEY Philip D., THOMSON Kerrie A. & SMARDENCAS Arthur Non-cholinergic nervous control of catecholamine secretion from perfused bovine adrenal glands. 489

TONTA M.A. *see* PARKINGTON Helena C., TARE M., TONTA M.A. & COLEMAN H.A. Stretch revealed three components in the hyperpolarization of guinea-pig coronary artery in response to acetylcholine. 459

TRENTHAM D.R. *see* CORRIE J.E.T., DESANTIS A., KATAYAMA Y., KHODAKHAH K., MESSENGER J.B., OGDEN D.C. & TRENTHAM D.R. Postsynaptic activation at the squid giant synapse by photolytic release of L-glutamate from a 'caged' L-glutamate. 1

VAN STEENBERGHE D. *see* BONTE B., LINDEN R.W.A., SCOTT B.J.J. & VAN STEENBERGHE D. Role of periodontal mechanoreceptors in evoking reflexes in the jaw-closing muscles of the cat. 581

VERDONCK F. *see* BIELEN F.V., GLITSCH H.G. & VERDONCK F. Na^+ pump current–voltage relationships of rabbit cardiac Purkinje cells in Na^+-free solution. 699

WANG G.-X., SCHMIED R., EBNER F. & KORTH M. Intracellular sodium activity and its regulation in guinea-pig atrial myocardium. 73

WEISS James N. *see* DEUTSCH Nicholas & WEISS James N. ATP-sensitive K^+ channel modification by metabolic inhibition in isolated guinea-pig ventricular myocytes. 163

WEN Rong, LUI Ge Ming & STEINBERG Roy H. Whole-cell K^+ currents in fresh and cultured cells of the human and monkey retinal pigment epithelium. 121

WRAY Susan *see* HEATON R.C., WRAY Susan & EISNER D.A. Effects of metabolic inhibition and changes of intracellular pH on potassium permeability and contraction of rat uterus. 43

WRAY Susan *see* CRICHTON Catherine A., TAGGART Michael J., WRAY Susan & SMITH Godfrey L. Effects of pH and inorganic phosphate on force production in α-toxin-permeabilized isolated rat uterine smooth muscle. 629

XIE Ailiang, TAKASAKI Yuji, POPKIN Judith, ORR Douglas & BRADLEY T. Douglas Influence of body position on pressure and airflow generation during hypoxia and hypercapnia in man. 477

XU Sengen, BRENNER Bernhard & YU Leepo C. Erratum: *Journal of Physiology* **461**, 283–299 (1993). 747

YAARI Yoel *see* PEROUANSKY Michael & YAARI Yoel Kinetic properties of NMDA receptor-mediated synaptic currents in rat hippocampal pyramidal cells *versus* interneurones. 233

YAMASHITA Hiroshi *see* INENAGA Kiyotoshi, NAGATOMO Toshihisa, KANNAN Hiroshi & YAMASHITA Hiroshi Inward sodium current involvement in regenerative bursting activity of rat magnocellular supraoptic neurones *in vitro*. 289

YU Leepo C. *see* XU Sengen, BRENNER Bernhard & YU Leepo C. Erratum: *Journal of Physiology* **461**, 283–299 (1993). 747